PLANS

STORM WATER SEWER NO. 219

SERVING

HEDGECLIFF 2ND ADDITION

CITY OF WICHITA

PROJECT NO. 468 76 245 81055 000 000 001

DATE: JULY 1981

NOTE:

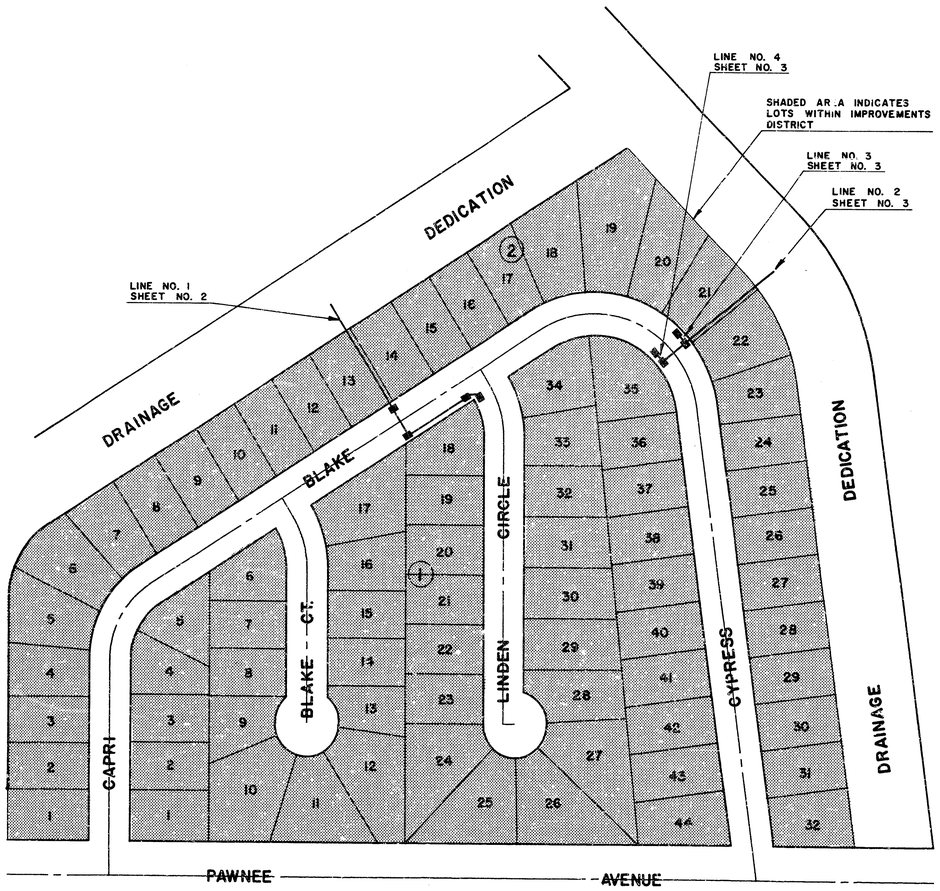
THE CONTRACTOR SHALL BE RESPONSIBLE FOR PRESERVING PROPERTY IRON. THE CONTRACTOR SHALL BE REQUIRED TO RE-ESTABLISH ANY PROPERTY IRONS WHICH ARE DAMAGED OR DISTROYED BY HIS CONSTRUCTION OPERATIONS. SUCH IRONS SHALL BE RE-ESTABLISHED BY A LICENSED LAND SURVEYOR OR A LICENSED PROFFESSIONAL ENGINEER IN ACCORDANCE WITH STATE LAWS.

BENCH MARKS:

1. CITY BRASS CAP 53'S AND 47'W OF THE CENTERLINE OF PAWNEE AND WEBB ROAD ELEV. 205.678
2. RAILROAD SPIKE IN POWER POLE 150'W AND 25'N OF THE CENTERLINE OF CYPRESS AND PAWNEE. ELEV. 194.04

ELEVATIONS ARE CITY OF WICHITA DATUM.

THE CONTRACTOR SHALL NOTIFY PAUL JOHNSTON, FLOOD CONTROL DIRECTOR, PRIOR TO BEGINNING ANY WORK IN OR ABOUT THE DRAINAGE CHANNELS.



SCALE 1"=100'

INDEX OF SHEETS

TITLE	SHEET	NO. 1
LINE NO. 1	SHEET	NO. 2
LINE NO. 2-3-4	SHEET	NO. 3
TYPE IA CURB INLET	SHEET	NO. 4
CHANNEL REPAIR	SHEET	NO. 5

ADOLF E. REISS LICENSED 2119 KANSAS PROFESSIONAL ENGINEER

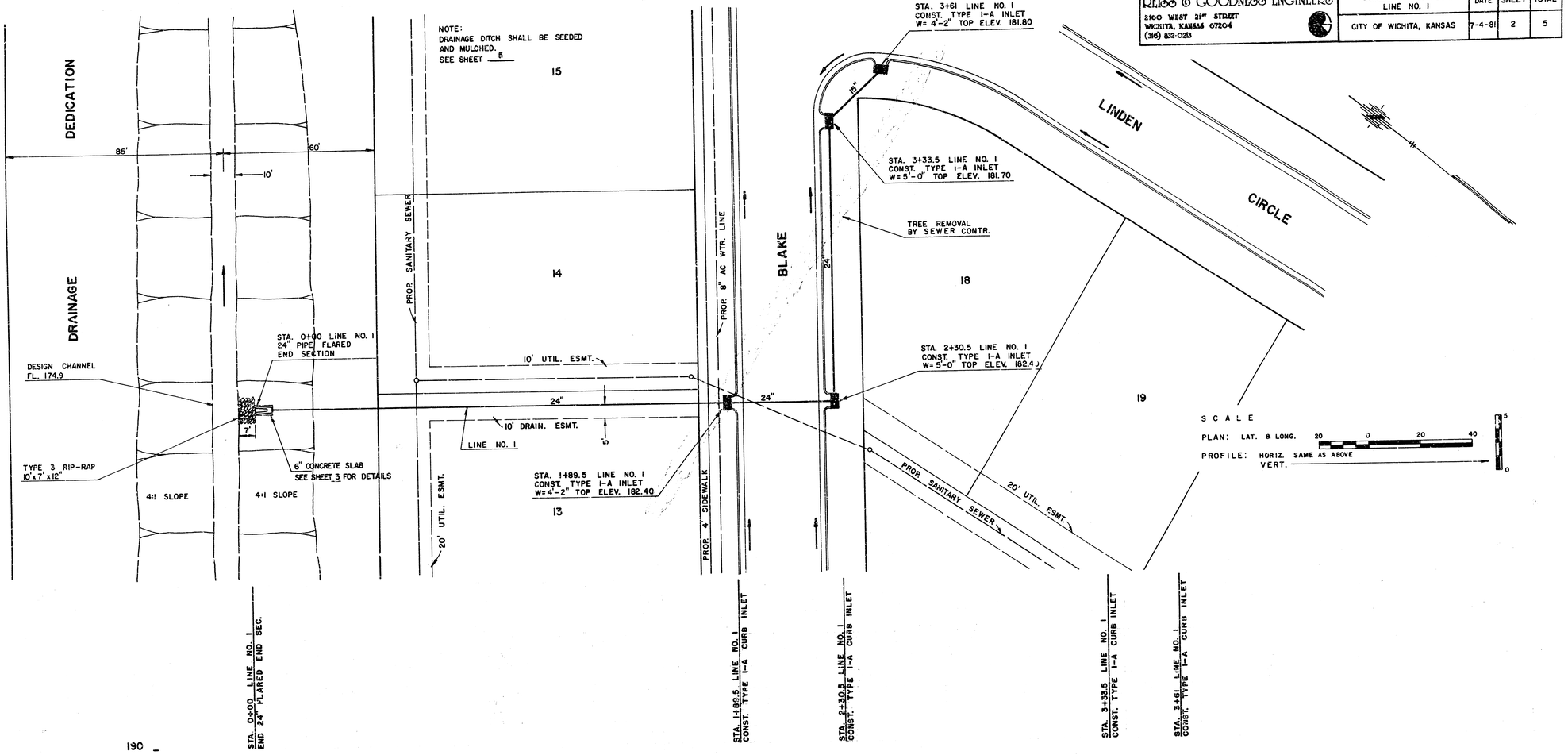
PREPARED BY REISS AND GOODNESS ENGINEERS

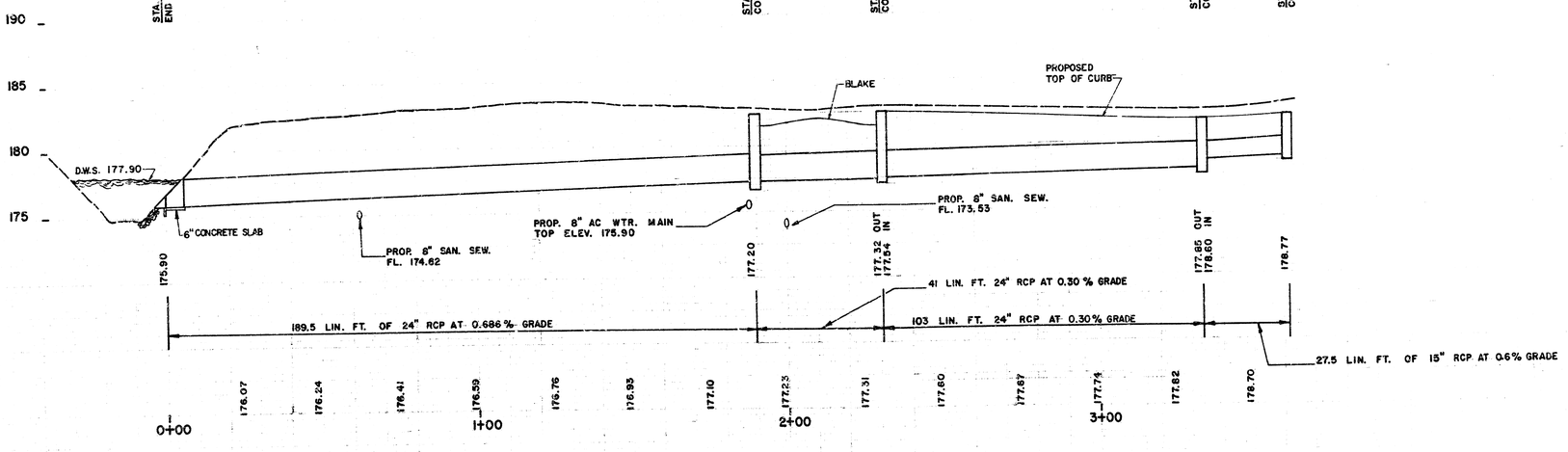
1/5

SHEET 1 OF 5 REV'D. 8-31-81

FILMED FROM THE BEST

REISS & GOODNESS ENGINEERS	HEDGECLIFF 2ND ADDN. LINE NO. 1	DATE	SHEET	TOTAL
2160 WEST 21st STREET WICHITA, KANSAS 67204 (316) 832-0213	CITY OF WICHITA, KANSAS	7-4-81	2	5





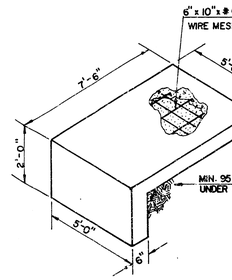
REV'D. 8-31-81

2/5

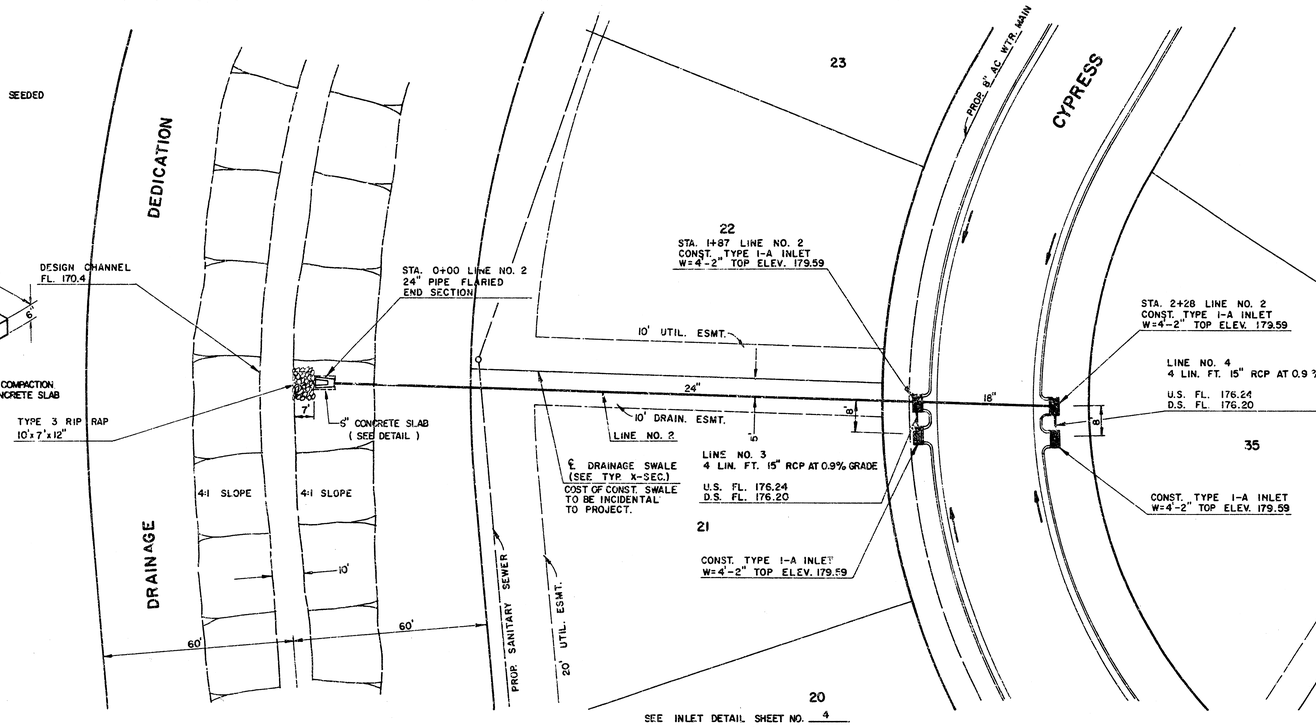
FILMED FROM THE BEST COPY AVAILABLE

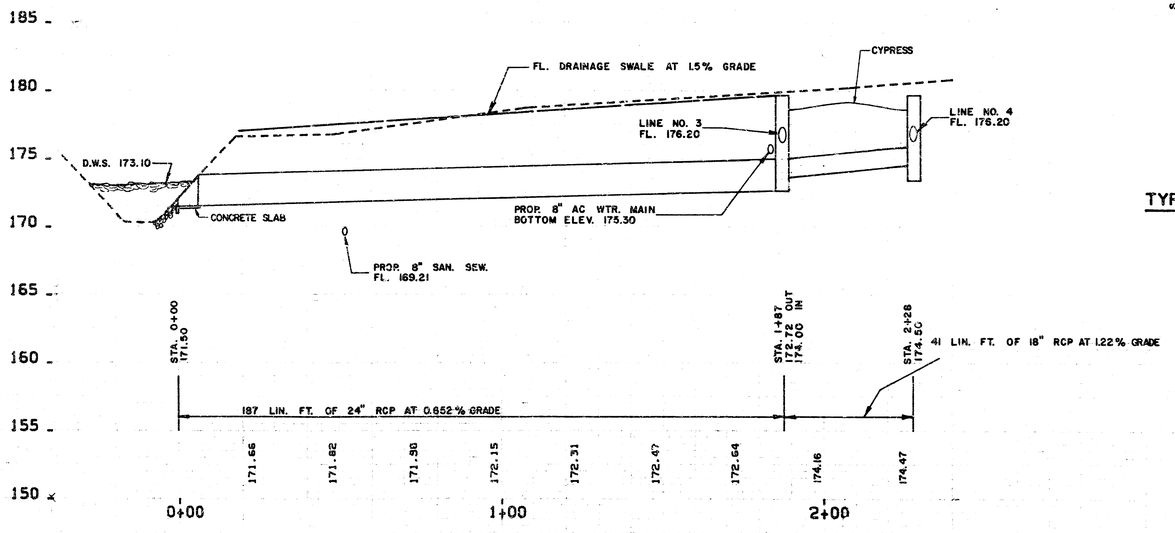
REIS & GOODNESS ENGINEERS	HEDGECLIFF 2ND ADDN. LINE NO'S 2-3-4	DATE	SHEET	TOTAL
2100 WEST 21st STREET WICHITA, KANSAS 67204 (316) 832-0213	CITY OF WICHITA, KANSAS	7-4-81	3	5

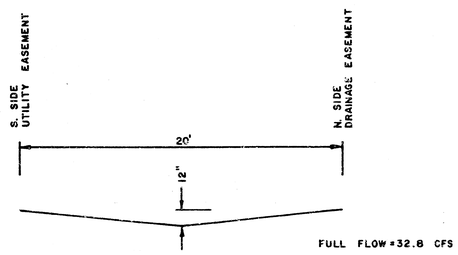
NOTE:
DRAINAGE DITCH SHALL BE SEEDED AND MULCHED.
SEE SHEET 5



TYPICAL CONCRETE SLAB UNDER R.C.PIPE END SECTION



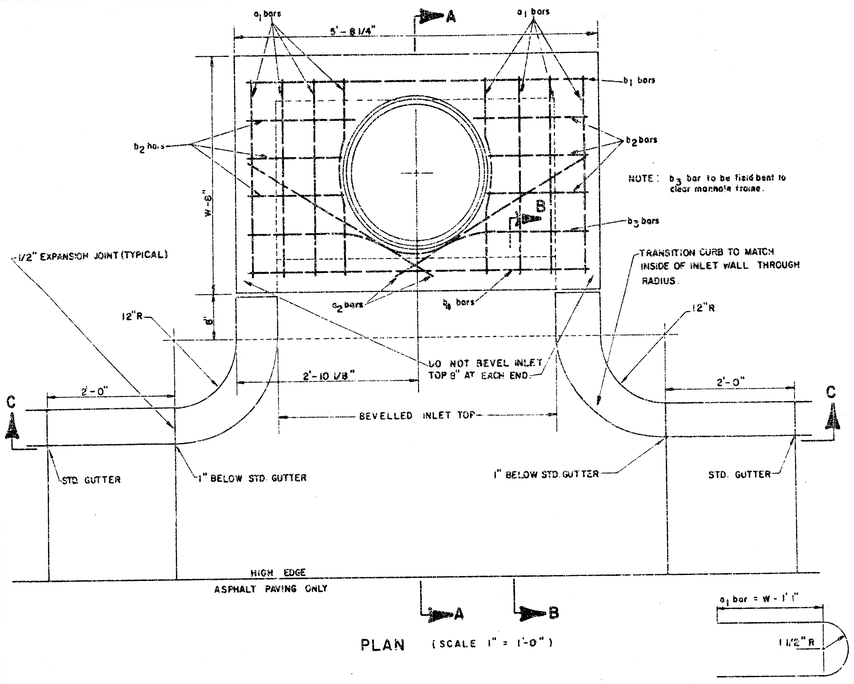




TYPICAL X-SECTION OF DRAINAGE SWALE

REV'D. 8-31-81

3/5



PLAN (SCALE 1" = 1'-0")

BENDING DIAGRAM

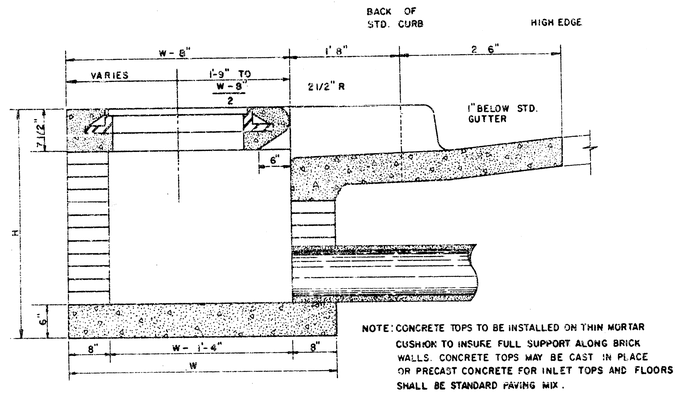
STEEL SCHEDULE

BAR	b_1	a_2*	b_1 W=4'-2"	W=5'-0"	W=6'-0"	W=7'-0"	W=8'-0"	b_2	b_3	b_4	WT LBS
NUMBER	8	2	1	3	5	7	9	6	1	1	
SIZE	#4	#4	#4	#4	#4	#4	#4	#4	#4	#5	
LENGTH W=4'-2"	6'-5"	3'-4"	5'-5"	–	–	–	–	1'-5"	5'-6"	5'-5"	60*
W=5'-0"	8'-1"	4'-4"	–	5'-5"	–	–	–	1'-5"	5'-6"	5'-5"	77*
W=6'-0"	10'-1"	5'-4"	–	–	5'-5"	–	–	1'-5"	5'-6"	5'-5"	97*
W=7'-0"	11'-1"	6'-4"	–	–	–	5'-5"	–	1'-5"	5'-6"	5'-5"	111*
W=8'-0"	12'-1"	7'-4"	–	–	–	–	5'-5"	1'-5"	5'-6"	5'-5"	124*

* NOTE: a_2 BARS TO BE PLACED APPROX. 2" BELOW TOP OF INLET COVER

STANDARD CURB INLET PRECAST TOPS			
W	PRE-CAST TOP SIZE	PIPE SIZE	CU.YD. CONC.
4'-2"	56"x5'8 1/4"x7 1/2"	21"Ø SMALLER	0.46 *
5'-0"	44"x5'8 1/4"x7 1/2"	24"Ø 30"	0.57 *
6'-0"	54"x5'8 1/4"x7 1/2"	36"Ø 42"	0.71 *
7'-0"	64"x5'8 1/4"x7 1/2"	48"Ø 54"	0.84 *
8'-0"	74"x5'8 1/4"x7 1/2"	60"Ø 66"	0.97 *

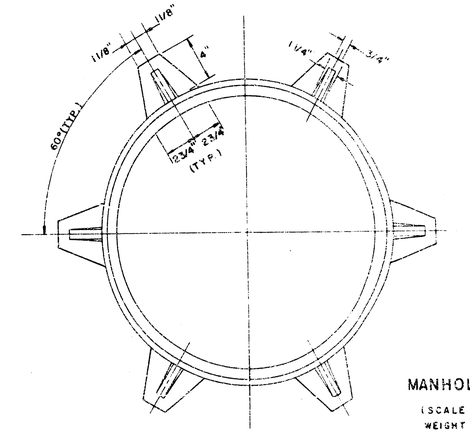
* GROSS VOLUME



SECTION A-A

(SCALE 1"= 1'-0")

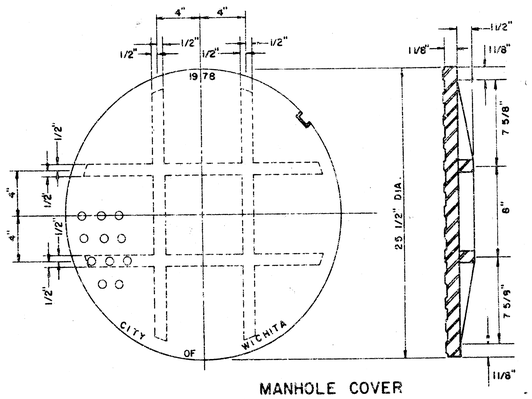
NOTE: CONCRETE TOPS TO BE INSTALLED ON THIN MORTAR CUSHION TO INSURE FULL SUPPORT ALONG BRICK WALLS. CONCRETE TOPS MAY BE CAST IN PLACE OR PRECAST CONCRETE FOR INLET TOPS AND FLOORS SHALL BE STANDARD PAVING MIX.



MANHOLE FRAME

(SCALE 1" = 6")

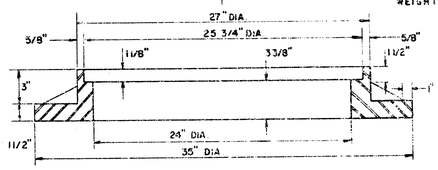
WEIGHT = 180 LBS.

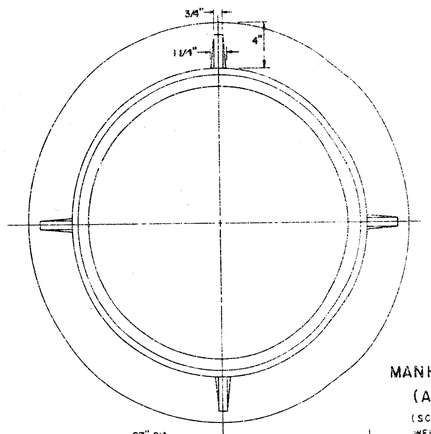


MANHOLE COVER

(SCALE 1" = 6")

WEIGHT = 170 LBS.

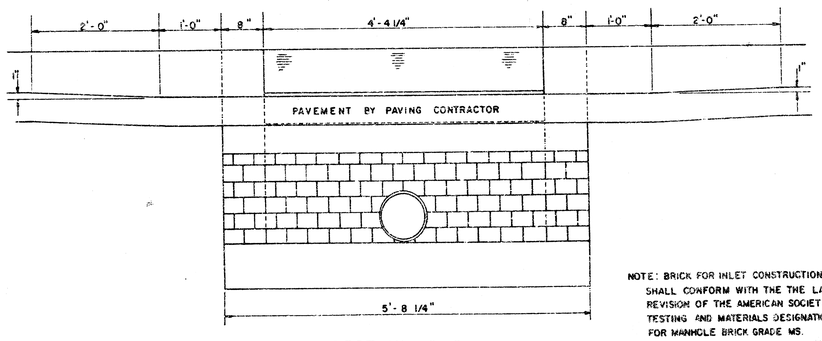




MANHOLE FRAME (ALTERNATE)

(SCALE 1" = 6")

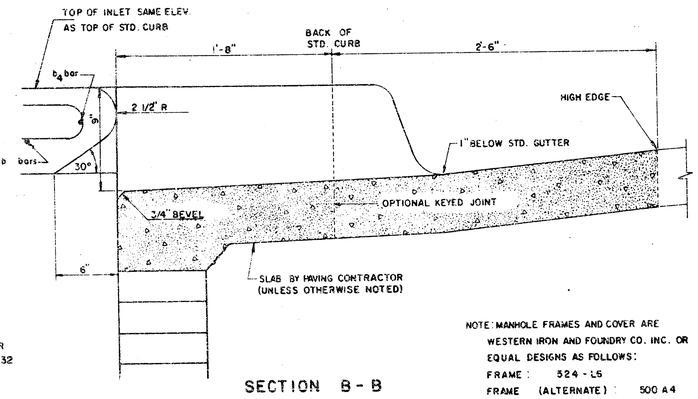
WEIGHT = 180 LBS.



SECTION C-C

(SCALE 1"= 1'-0")

NOTE: BRICK FOR INLET CONSTRUCTION SHALL CONFORM WITH THE THE LATEST REVISION OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS DESIGNATION C-32 FOR MANHOLE BRICK GRADE MS.



SECTION B-B

(SCALE 1" = 6")

NOTE: MANHOLE FRAMES AND COVER ARE WESTERN IRON AND FOUNDRY CO. INC. OR EQUAL DESIGNS AS FOLLOWS:

FRAME : 524-LS

FRAME (ALTERNATE) : 500 A4

COVER : 222 S4 "NOSBY"

HEDGECLIFF 2nd. ADDITION

DETAIL STANDARD TYPE IA CURB INLET

REISS & GOODNESS ENGINEERS

2160 WEST 21ST STREET
WICHITA, KANSAS 67203
(316) 832-0213

Designed by CITY OF WICHITA

Date JUNE 1981

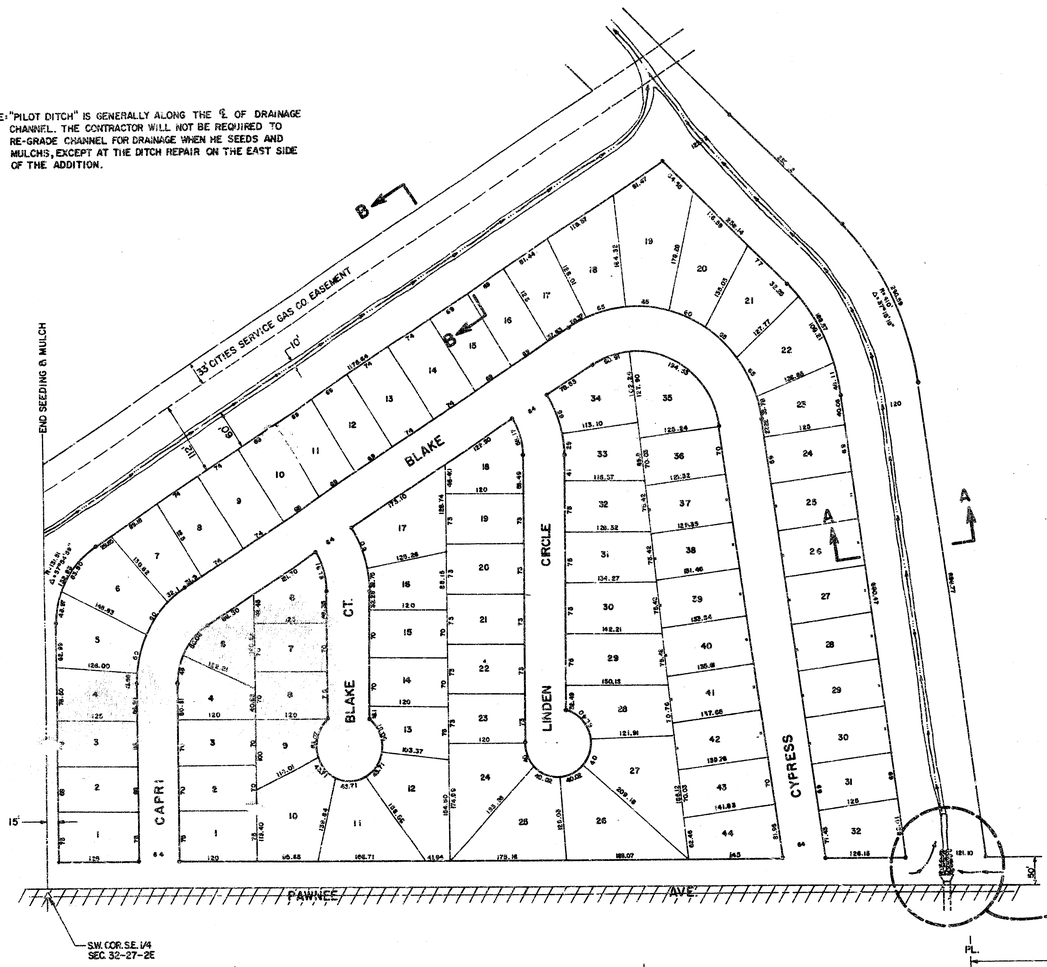
Sht. 4 of 5

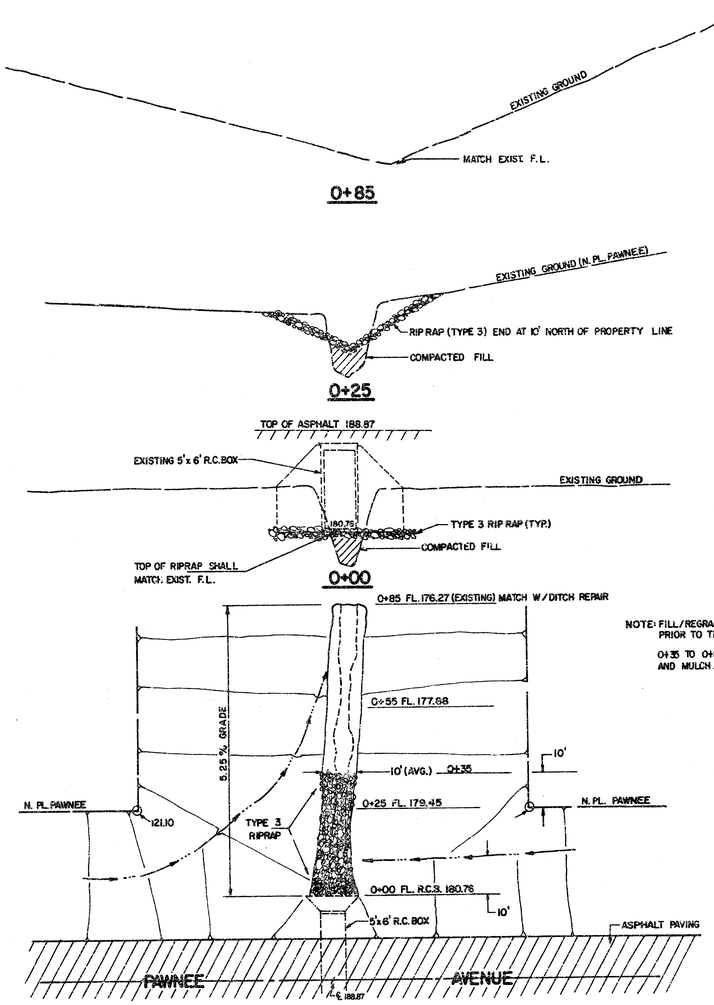
REVD. 8-31-81

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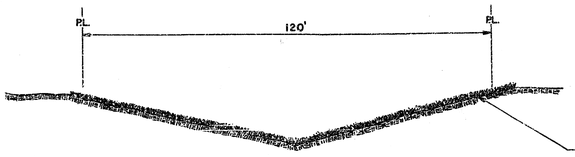
REES & GOODNESS ENGINEERS	HEDGECLIFF 2ND ADDN. CHANNEL REPAIR	DATE	SHEET	TOTAL
2160 WEST 21ST STREET WICHITA, KANSAS 67204 (316) 832-0233	CITY OF WICHITA, KANSAS	8-31-81	5	5

NOTE: "PILOT DITCH" IS GENERALLY ALONG THE ℄ OF DRAINAGE CHANNEL. THE CONTRACTOR WILL NOT BE REQUIRED TO RE-GRADE CHANNEL FOR DRAINAGE WHEN HE SEEDS AND MULCHS, EXCEPT AT THE DITCH REPAIR ON THE EAST SIDE OF THE ADDITION.



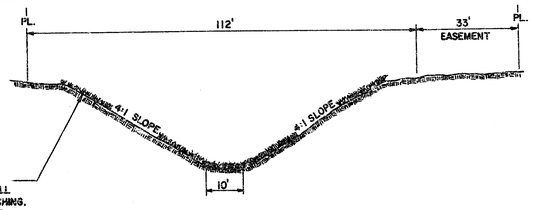


PLAN VIEW



NOTE:
THE EXISTING VEGATATION SHALL BE STRIPPED, THE BANKS AND BOTTOM WILL DRESSED PRIOR TO SEEDING AND MULCHING. (SEE SPECIFICATIONS FOR RATES, COVER MATERIAL, ETC.)

SECTION A-A (TYP.)



SECTION B-B (TYP.)

REV'D. 8-31-81

FILMED FROM THE BEST